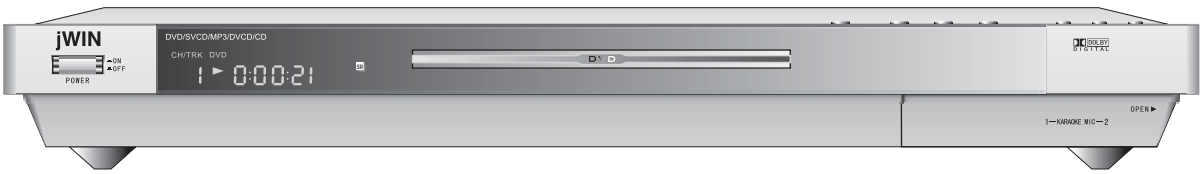
jWIN®

Operating Instructions

JD-VD503



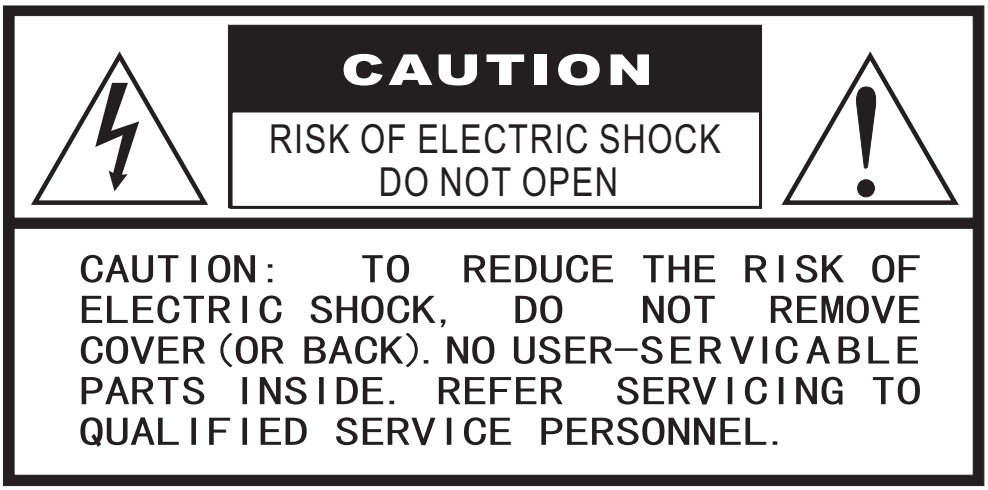
Before attemptting to connect, operate or adjust this player
please read this instructions completely and save for future reference.

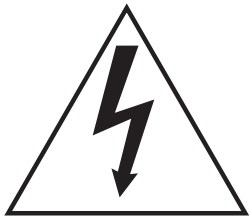
For attention of parents:

In order to avoid the situation that you forget the parental lock code and can not enter into the operation of parental lock setting, here we offer you the super secret code: 1369. You may use this code to enter into the operation of parental setting. To prevent the young children from knowing this secret code, please tear the note from this user's manual and keep in secret place. Thanks.

Thanks for purchasing the jWIN DVD player. Before operating this player, please read this manual and retain it for future reference.

SAFETY PRECAUTIONS


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

CAUTION:

When replacing the direct plug-in power supply or a separable, cord-connected power supply, the replacement must be the exact duplicate, or one that has been recommended by the manufacturer.

CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH THE WIDE BLADE OF THE PLUG TO THE WIDE SLOT, AND FULLY INSERT.

This DVD player employs a laser system.

CAUTION:

Use of controls, adjustments or the performance of procedures other than those specified may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure.

DO NOT STARE INTO BEAM.

FCC NOTICE:

This equipment has been tested and proved to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rule. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING:

Changes or modifications made to this equipment, not expressly approved by jWIN, or parties authorized by jWIN, could void the user's authority to operate the equipment.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: PLEASE READ THESE INSTRUCTIONS AND KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE. PLEASE HEED ALL WARNINGS AND FOLLOW ALL INSTRUCTIONS.

This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit is fully transistorized and does not contain any parts that can be repaired by the user.

DO NOT REMOVE THE CABINET COVER, OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY.

1.Read these instrucitons
After unpacking this product, read these instructions carefully, and follow all the instructions.

2.Keep these instructions.

3.Heed all warnings.

4.Follow all instructions.

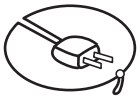
5.Do not use this apparatus near water.

6.Clean only with dry cloth.

7.Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8.Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.



10.Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Notes on Handling

- When shipping the DVD player, the original shipping carton and packing materials come in handy . For maximum protection, repack the unit as it was originally packed at the factory.
- Do not use volatile liquids, such as insect spray, near the DVD player. Do not leave rubber or plastic products in contact with the DVD player for a long time. They will leave marks on the finish.
- The top and rear panels of the DVD player may become warm after a long period of use. This is not a malfunction.
- When the DVD player is not in use, be sure to remove the disc and turn off the power.
- If you do not use the DVD player for a long period, the unit may not function properly in the future.Turn on and use the DVD player occasionally.

Notes on Positioning

- When you place this DVD player near a TV, radio, or VCR, the playback picture may become poor and the sound may be distorted. In this case, place the DVD player away from the TV, radio, or VCR.

Notes on Cleaning

Use a soft, dry cloth for cleaning.

- For stubborn dirt, soak the cloth in a weak detergent solution, wring well and wipe. Use a dry cloth to wipe it dry.
- Do not use any type of solvent , such as thinner or benzine, as they may damage the surface of the DVD player. If you use a chemical saturated cloth to clean the unit, follow that product's instructions.

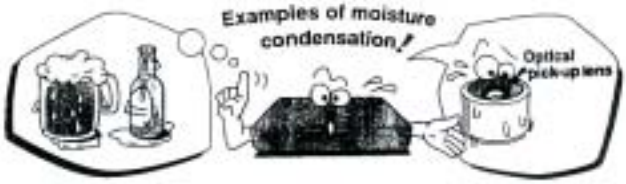
To Obtain a Clear Picture

The DVD player is a high technology, precision device. If the optical pick-up lens and disc drive parts are dirty or worn down, the picture quality becomes poor. To obtain a clear picture, we recommend regular inspection and maintenance (cleaning or parts replacement) every 1,000 hours of use depending on the operating environment. For details, contact your nearest dealer.

Notes on Moisture Condensation

Moisture condensation damages the DVD player.
Please read the following carefully.

Moisture condensation occurs , for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside this unit, one of the most crucial internal parts of the DVD player.



- Moisture condensation occurs during the following cases.

- When you bring the DVD player directly from a cold place to a warm place.
- When you use the DVD player in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the unit.
- In summer, when you use the DVD player in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the DVD player in a humid place.

- Do not use the DVD player when moisture condensation may occur.

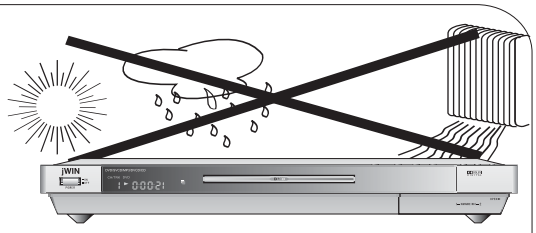
  If you use the DVD player in such a situation , it may damage discs and internal parts. Remove the disc, connect the power cord of the DVD player to the wall outlet, turn on the DVD player, and leave it for two or three hours. After two or three hours , the DVD player will have warmed up and evaporated any moisture. Keep the DVD player connected to the wall outlet and moisture condensation will seldom occur.

Points For Attention

Warning: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. Dangerous high-voltage parts and Laser are present inside the enclosure. Do not open the cabinet. Refer servicing to qualified personnel only.

Precautions on Use: DVD players are high-end electric appliances, in which large-scale integrated circuits and precise laser devices are incorporated. In order to prolong the lifespan of the appliance, please don't turn on and turn off within a time interval of less than 10 seconds. For the sake of safety, be sure to cut off the power supply of the appliance before conducting any connections.

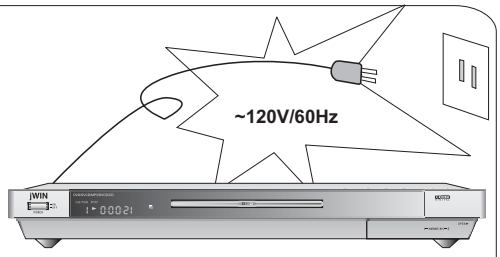
Notes on Maintenance



Don't put the appliance in the following places:

* Places exposed to direct sunlight or close to heat radiating appliances (e.g. heater).
* The top of other heat radiating objects.
* Places with poor ventilation or full of dust.
* Places apt to vibration, rain, moisture, or where The appliance can not be stably placed.
* Places close to large-powerful loudspeakers or on the same table with loudspeakers so as to avoid vibration, which may cause malfunction.
* Do not move the appliance from a cold place to a warm one with a sharp temperature difference and the dew may be condensed on the pick-up head, which is apt to result in the malfunction of the appliance. Take out the disc and connect the power supply. The appliance will resume its normal working state in 1-2 hours.
* If using the appliance under poor external surroundings for a long time, dust may accumulate on the laser head. Use a laser head cleaning disc to clean. Please refer to the specifications of the cleaning disc for detail.
* Use a soft cotton cloth with neutral detergent to wipe the appliance. Do not use materials such as sand paper, alcohol or gasoline, etc.
* Do not use seriously distorted or worn discs in order not to damage disc loading function of the appliance.

Notes on the power supply



* Use proper power supply voltage Voltages other than the rated value are strictly prohibited.
* Hold the plug tightly when plugging into or pulling out the AC plug, and do not pull the power cord.
* Please make sure that power cord and other lines are properly connected before turning on power supply.
* Please turn down the volume of the power amplifier to the minimum before turning on power supply and adjust the volume according to the need when starting play in order not to damage the power amplifier or loudspeaker.
* If you intend not to use the appliance for a long time, please remove the plug of power cord from the outlet.

Notes on servicing

* Don't open the appliance to repair by yourself. If there is a problem, please refer servicing to a local maintenance department.
* Be sure to cut off power supply before removing the cover to avoid possible electric shock.
* The components with the "⚠"mark must be replaced with the ones of the same type and specification.

Note: The illustrations in this operation instruction may be different from real objects.

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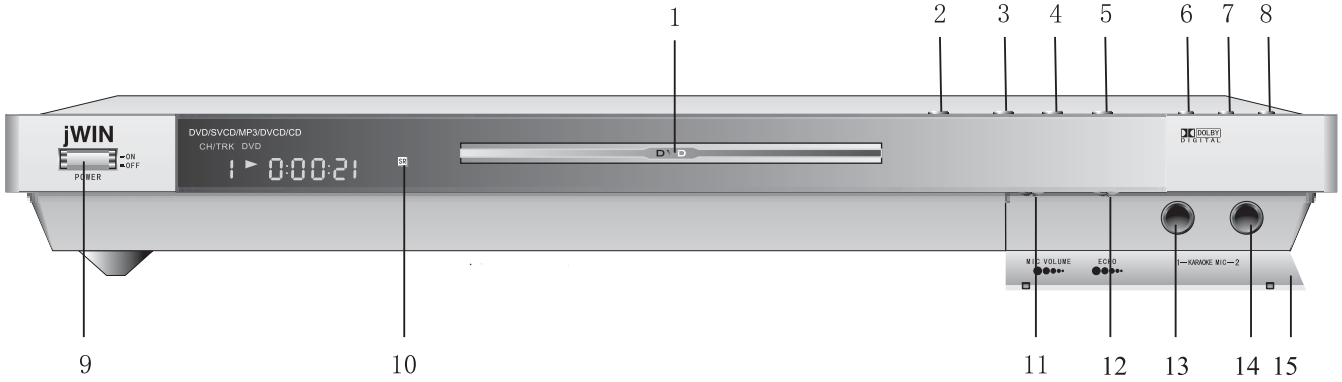
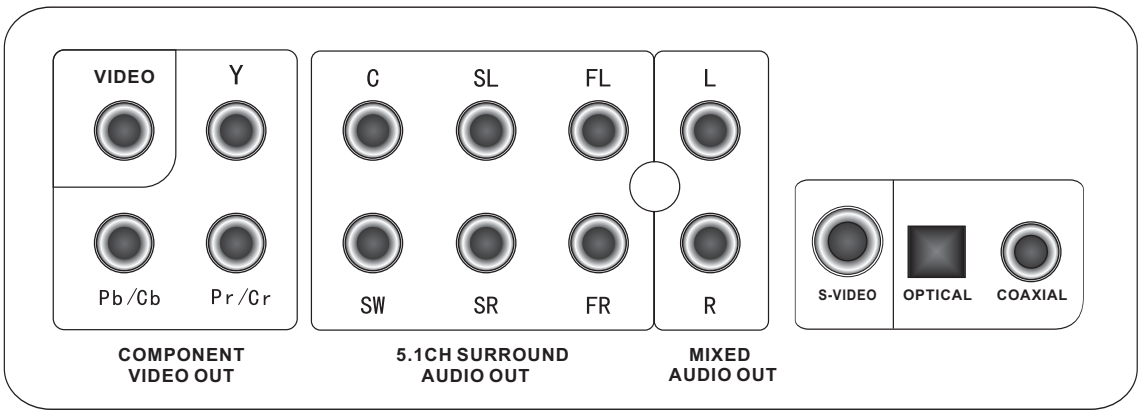
1. OPERATING INTERFACE

FRONT PANEL:

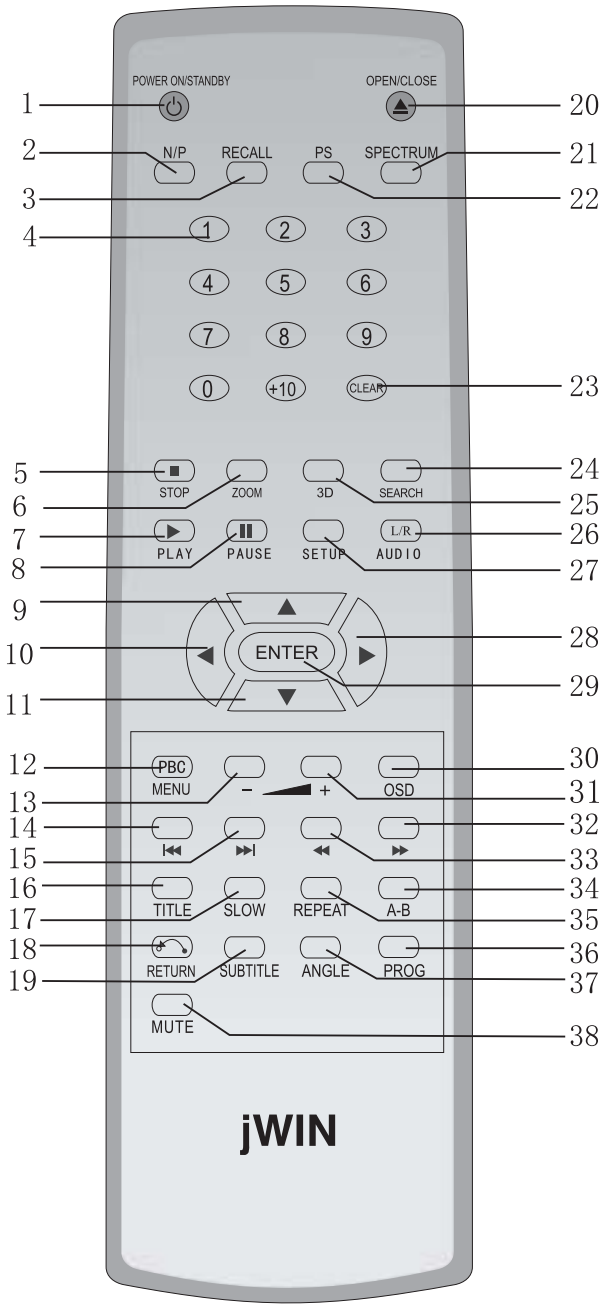


1. Disc Tray
2. OPEN/CLOSE Button
3. PLAY Button
4. PAUSE Button
5. STOP Button
6. STANDBY Button
7. RETURN Button
8. AUDIO Button
9. POWER Button
10. Remote Control Signal Sensor
11. MIC Volume Control Knob
12. ECHO Control
13. MIC Jack1
14. MIC Jack2
15. MIC Cover

BACK PANEL PORTS:



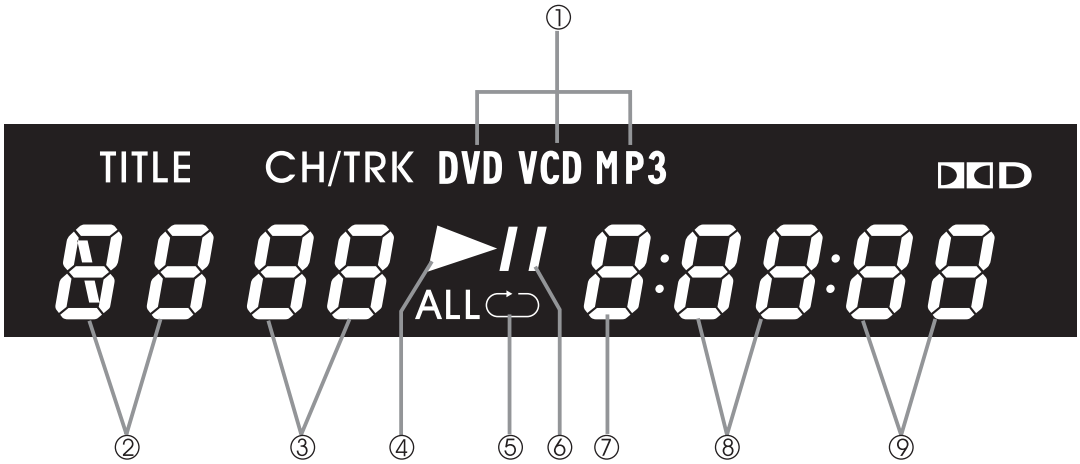
REMOTE CONTROL:



1.POWER ON/STANDBY button
2.NTSC/PAL button
3.RECALL button
4.NUMBER button
5.STOP button
6.ZOOM button
7.PLAY button
8.PAUSE button
9.UP button
10.LEFT button
11.DOWN button
12.MENU (PBC) button
13.VOLUME control (-)
14.PREV. button
15.NEXT button
16.TITLE button
17. SLOW MOTION button
18. RETURN button
19. SUBTITLE button
20. OPEN/CLOSE button
21. SPECTRUM button
22. PROGRESSIVE button
23. CLEAR button
24. SEARCH button
25. 3D
26. AUDIO button
27. SETUP button
28. RIGHT button
29. ENTER button
30. OSD button
31. VOLUME control (+)
32. FAST FORWARD button
33. FAST REWIND button
34. A-B REPEAT button
35. REPEAT button
36. PROGRAM button
37. ANGLE button
38. MUTE button

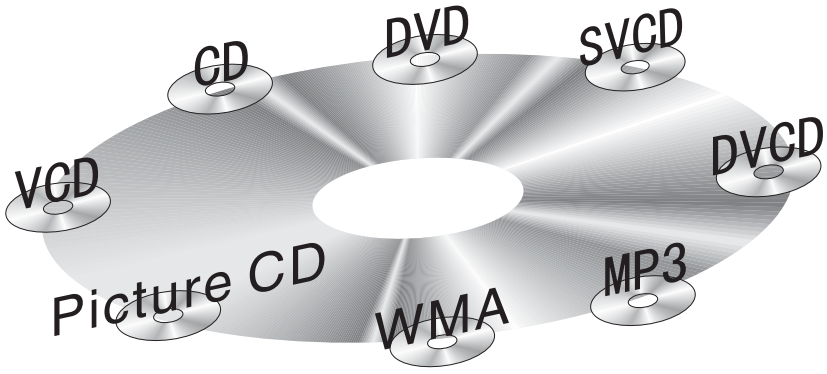
VFD DISPLAY:

When playing discs, VFD will be as follows.



<1> Disc Format Display
<2> Title Display
<3> Chapter/Track Display
<4> Playing Display
<5> Repeat Display
<6> Pause Display
<7> Hour Display
<8> Minute Display
<9> Second Display

2. SUPPORTED DISC FORMATS



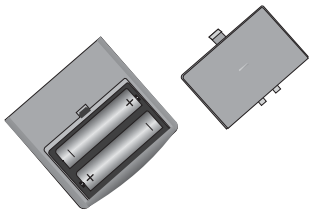
3. REFERENCE GUIDE

DVD	On playing DVD discs	PictureCD	On playing Picture CD discs
SVCD	On playing Super VCD discs	VCD	On playing VCD discs
DVCD	On playing DVCD discs	CD	On playing CD discs
MP3	On playing MP3 discs	WMA	On playing WMA discs

4. PREPARATION BEFORE PLAYING

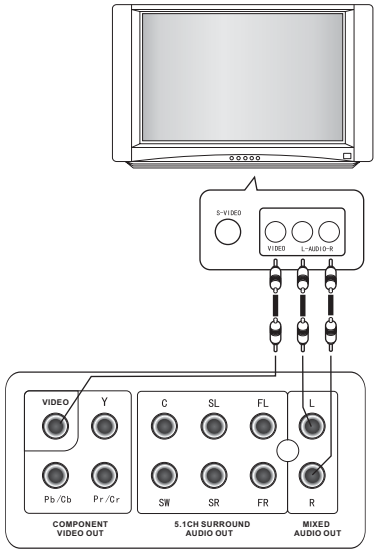
4.1 BATTERY INSTALLATION FOR REMOTE CONTROL

Open the battery compartment lid and insert a pair of AAA batteries with correct polarity as indicated. Please point at the remote sensor on the player while using the remote control.



4.2 SYSTEM CONNECTION

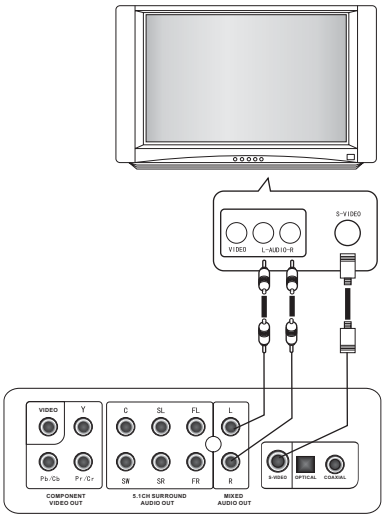
1. Turn off the power before connection.
2. Turn on the power after finishing connection.
   *Wires must be firmly connected; especially the plug shall be fully inserted.



Connect with TV

1. Normal connection

Use the YUV cords to connect the player with the corresponding ports of the TV set as shown in the picture on the right.



2.Connect with S-Terminal

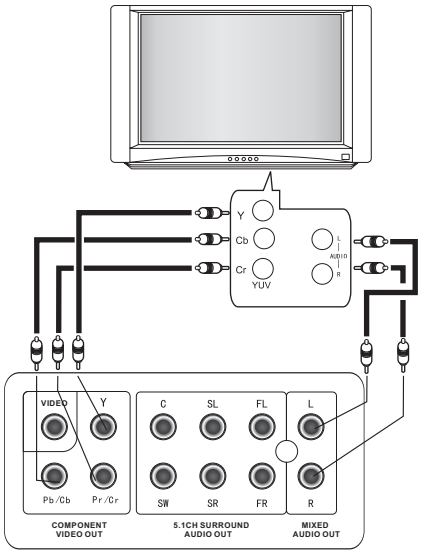
Connect one end of S-Terminal wire with S-Terminal output socket on this player back-panel and another with the S-Terminal input socket of the TV, and then connect audio wire with the TV.

3.Connect with YUV (Y Cb Cr) Terminal

Connect one end of YUV wire with the Y, Pb/Cb, Pr/Cr socket on the disc player and another with the corresponding Y, Pb/Cb, Pr/Cr socket of the TV. And then connect audio wire with TV. See picture at right.

When you connect the progressive scan TV, press the PROGRESSIVE button on the remote control and if no picture displays on the screen after DVD player loads the discs, switch the video mode of the TV to progressive scan and obtain the picture.

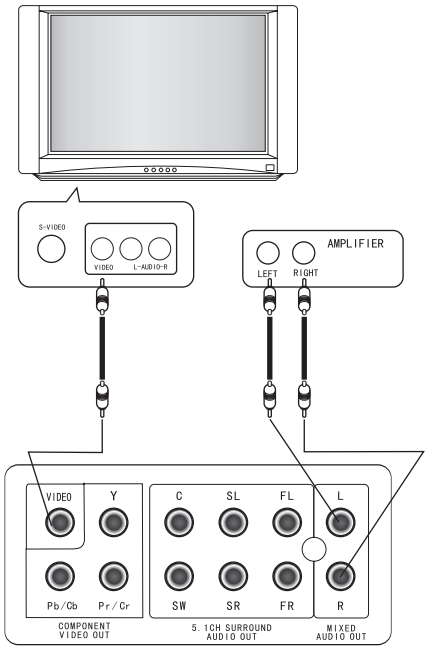
Notes: For normal TV, if you press the PROGRESSIVE button on the remote control, no picture displays on the screen; press PROGRESSIVE button again and it will shift to interlace scan mode. Then all information will resume factory settings after pressing the RECALL button.



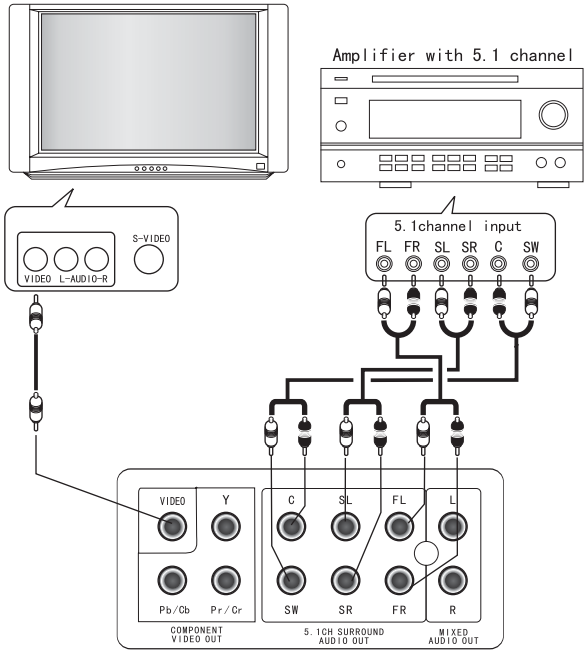
Connect with AV power amplifier

1. Normal Connection

The connection method is illustrated in the picture.



2. Connect with AV Amplifier with 5.1 Channel Surround Audio Input.



3. Connect with Optical-Digital Audio Terminal or Coaxial Terminal.

Directly connect the optical or coaxial cord of the amplifier with optical or coaxial terminal of this player (this factory setting mode is SPDIF-PCM), then connect video terminal of the player with video interface of TV.

When using optical or coaxial output function of this player, please refer to 7.2 Audio setting up for the detailed setup method.

4.3 SETUP OF TV SIGNAL SYSTEM

If picture is not full screen or edge of the picture has been covered or TV white-black phenomenon exists, please press the NTSC/PAL button on the remote control, adjust the whole player output system according to TV system.

Note: Pictures are possible to be less than full screen or partially covered, because DVD discs can support different picture proportions.

5. BASIC OPERATION

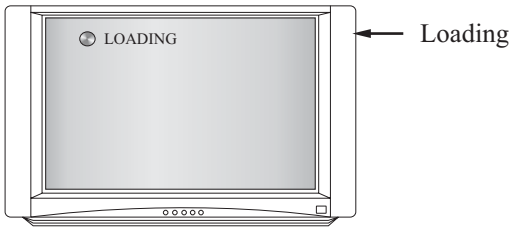
After connection, you must make the following preparations before operating this player.

1. Switch the TV on and select "video input".
2. Connect the power wires of the player with the socket.

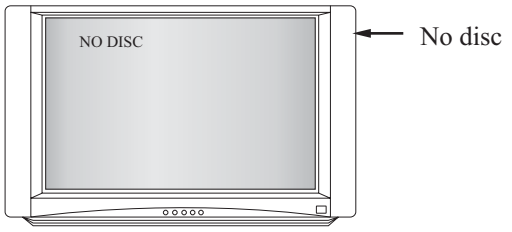
Notes: When the icon " ⊖ " displays on the TV screen, it means that the current operation is invalid probably resulting from maloperation or restriction of the discs.

Turn on the player

1.Press the "POWER" button to switch on the power then it will load disc as illustrated at right.

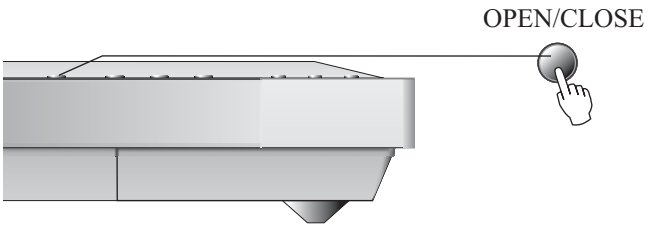


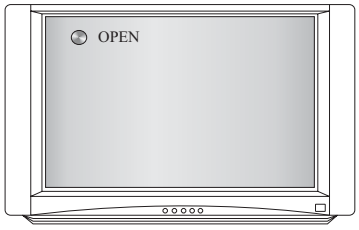
Note: Turn the volume of amplifier to the minimum. If this player has been connected with the amplifier, then turn the amplifier power on and switch input channel to DVD.

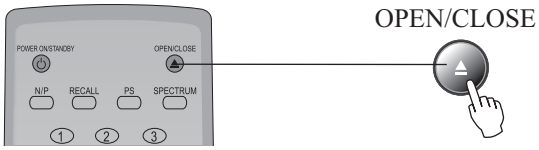


Note: If no opening picture or no color shows when turning on the player, please press "NTSC/PAL" button on the remote control, adjust the whole player output mode to accord with TV system. Or press PROGRESSIVE button to set the video output to proper mode, see 4.3 for detail.

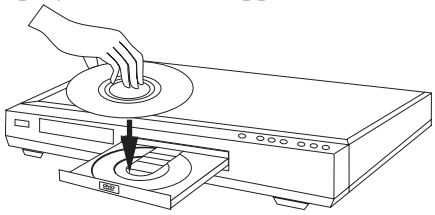
2. Press the "OPEN/CLOSE" button on the remote control or on the player.

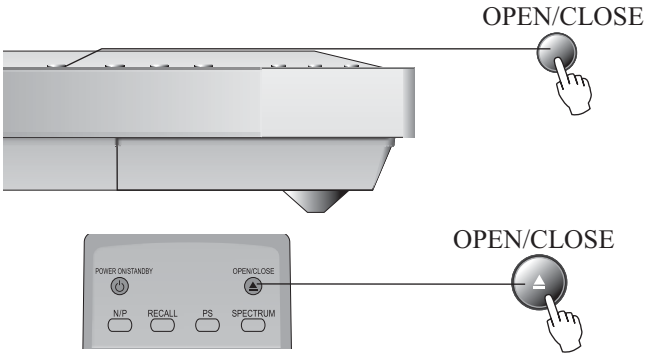


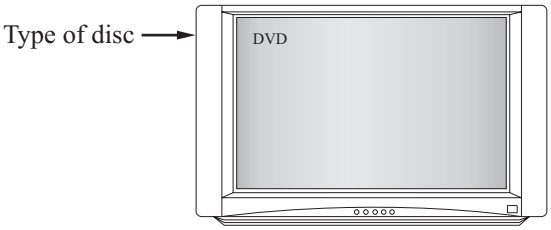




3. Place a disc into the disc tray and then press the "OPEN/ CLOSE" button on the remote control or on the player to close the disc tray. The player can automatically discern different kinds of discs, and disc information may be displayed in the left upper corner of TV screen.

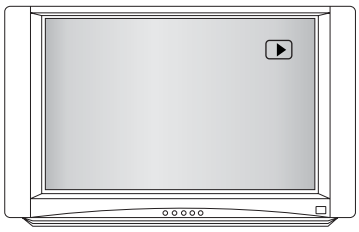






Note: The disc tray shall be opened/ closed by pressing the OPEN/CLOSE button after power on. Do not push or pull the tray by force so as to avoid damage to the appliance.

4. After loading, the disc will be played automatically, or press buttons for other operation.

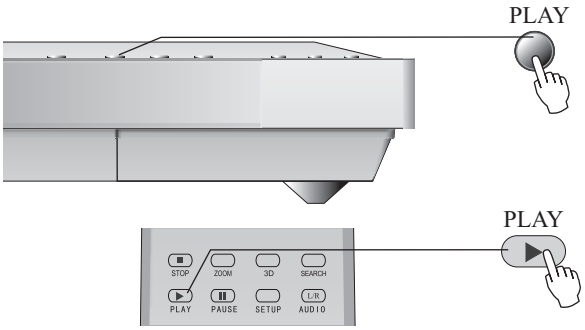


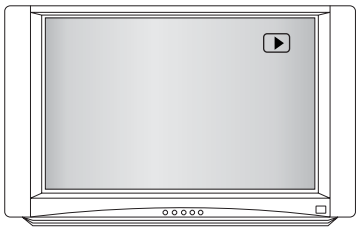
Turn Off

Press the "OPEN/CLOSE" button on the remote control or the player to open the disc tray, take the disc out, close the disc tray, and then press the STANDBY button to standby mode, or press the POWER button to turn off the player completely.

5.1 PLAYING A DISC

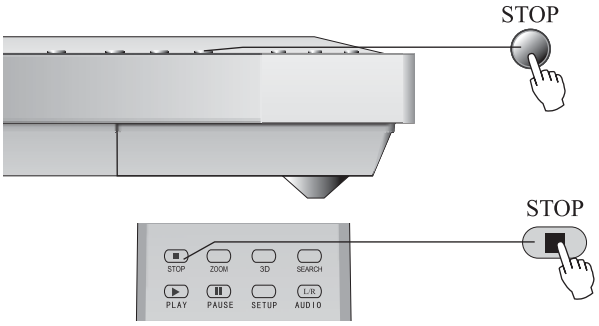
1. PLAY

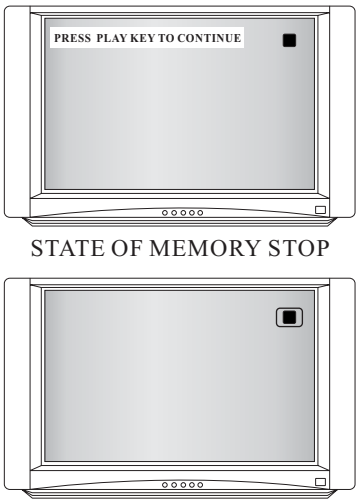




2. STOP

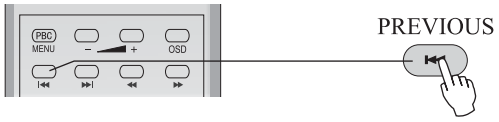
Press "STOP" once, the player enters memory-stop state; press again, the player will completely stop.

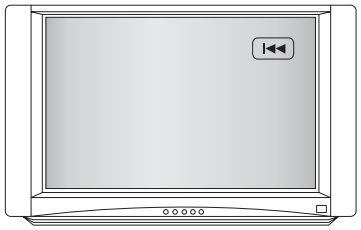




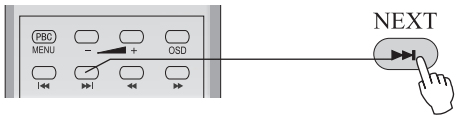
STATE OF MEMORY STOP

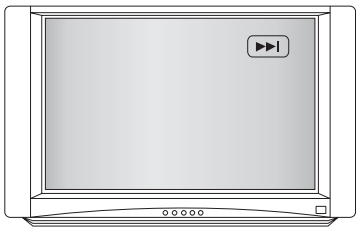
3. PREV (Track or Page)





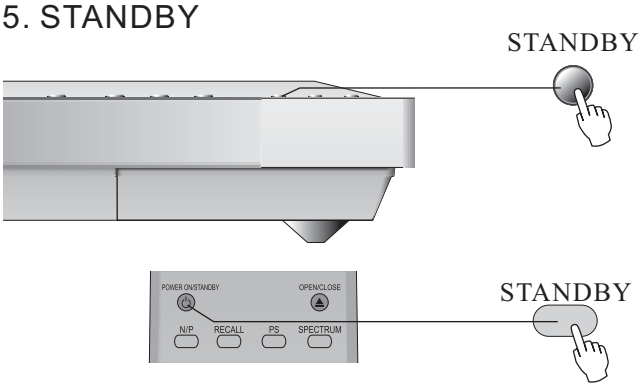
4. NEXT (Track or Page)



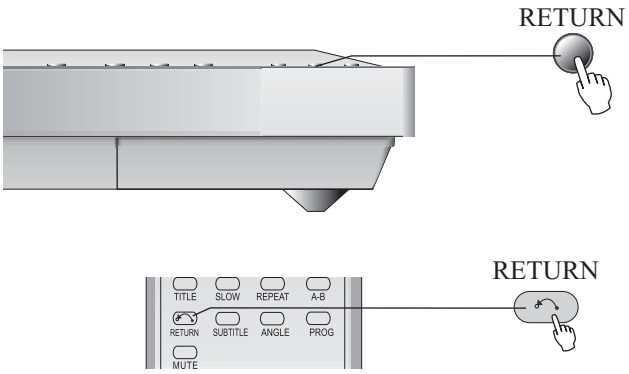


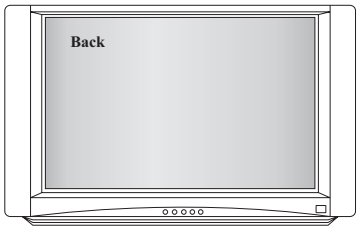
Note: Some discs do not support the functions described in item 3 and 4 above.

5. STANDBY



6. RETURN





5.2 NTSC/PAL SYSTEM

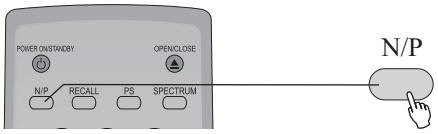
Continuously press NTSC/PAL on the remote control to switch the following systems. Adjust the disc player output mode to match the TV system , either:

MULTI
NTSC
PAL

Note:

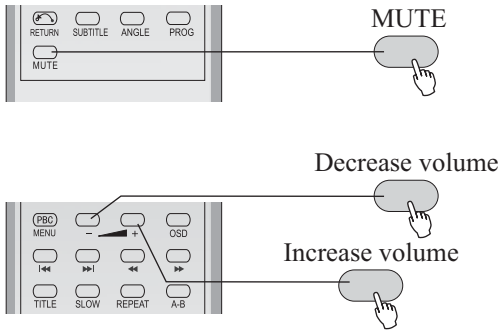
1. This player has the function of automatically discerning the format, and defaults to the NTSC system. If playing discs in NTSC format, the player can automatically switch to NTSC system. At this time, it is normal that the picture will be instantly flashed.

2. If the picture is not colorful, the color is abnormal, or the sound and picture are temporarily interrupted, (which may be caused by the discrepancy between the disc format and TV system), at this time, you can adjust TV system or picture output mode of the whole disc player by this option to make them compatible. Directly press NTSC/PAL button on the remote control to change the system.



5.3 MUTE & VOLUME CONTROL

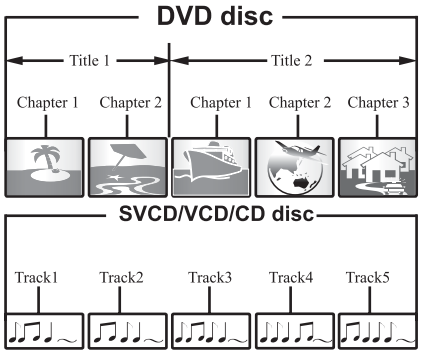
Press "MUTE" button on the remote control to turn off sound and press again to turn on the sound. "- ◢ +" button is volume control button. Press "+" to increase volume and "-" to decrease volume.



Note: Volume control is invalid for coaxial and optical output.

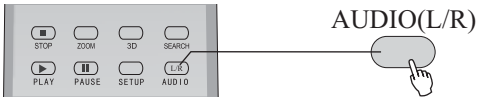
5.4 TRACKS SELECTION

There are many titles including many chapters in DVD VIDEO/DVD AUDIO discs, while Super VCD, VCD and CD are only divided into tracks. Not only can you use the title, chapter and track list to get the program you want, but also use the "time setup" function. Refer to "9/ How to use search function" for details.



5.5 AUDIO CHANNEL (L/R)

Press AUDIO on the remote control to select different dubbing languages. (There are at most 8 kinds of languages for DVD discs and 4 kinds for Super VCD, this function only works with the discs that have multiple languages).

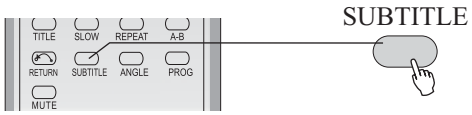


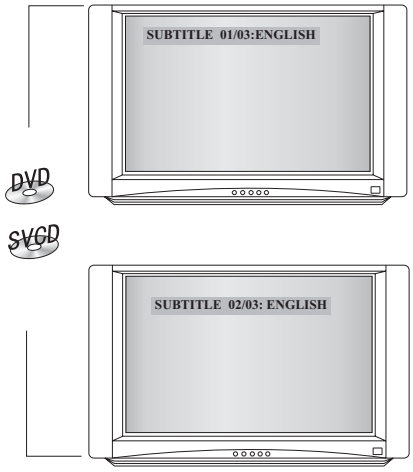
For VCD, press this button to select different audio channels as follows:

STEREO
MONO LEFT
MONO RIGHT
mix-MONO
PARTNER LEFT
PARTNER RIGHT

5.6 SUBTITLE SELECTION

Press SUBTITLE on the remote control to choose different subtitles (There are at most 32 kinds of subtitles for DVD and 4 kinds for Super VCD, this function only works with discs that have multiple subtitles).

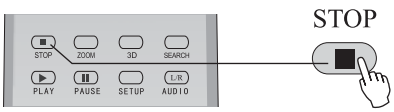


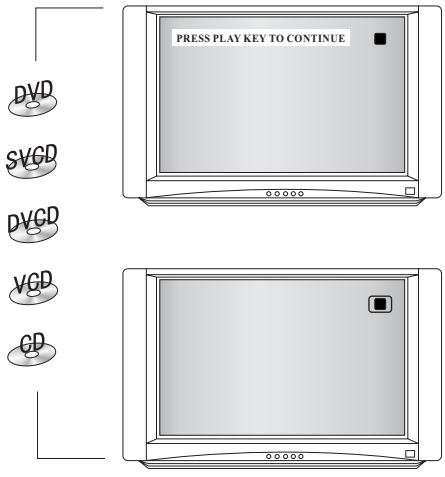


6. OTHER FUNCTION BUTTONS

6.1 STOP

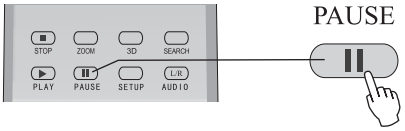
DVD player will be in the state of memory-stop automatically when you press "STOP". In this state, if you press "PLAY", it will implement the function of memory-play. When in memory-stop state, press "STOP" once more-the player will completely stop and the memory-play function will disappear.

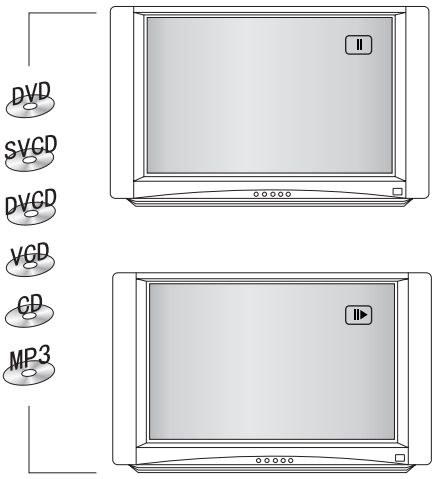




6.2 PAUSE

In play state, press PAUSE for the first time and the player will be in pause state. Press the button again, and the player will be in STEP state. Each time the button is pressed, the picture on the Screen will move to the next frame. Continuously press the button, the picture on the screen will keep moving forward. Pressing "PLAY" will return to normal play mode.



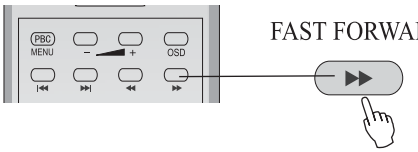


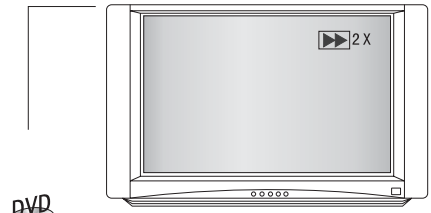
Note: The step function doesn't work with CD, MP3, WMA, Picture CD, DVD AUDIO discs.

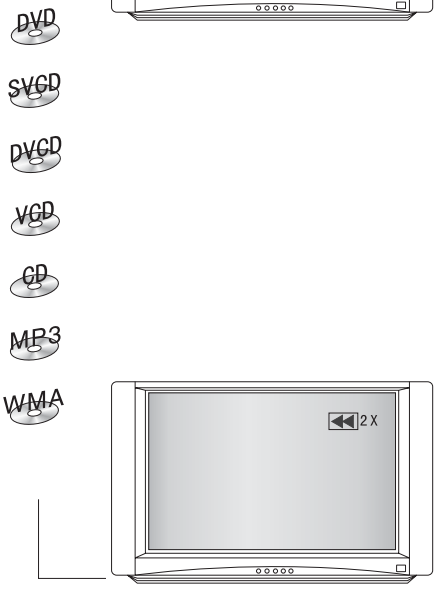
6.3 FAST FORWARD & FAST REWIND

FAST FORWARD:

In play mode, press the "FF" button on the remote control to play at X2 speed, press it again to get X4 speed, press it for the third time to get X8 speed, press it for the fourth time to get X16 speed and press for the fifth time to get X32 speed. Press it for the sixth time, it returns to the normal play state, or press "PLAY" to return to normal play mode directly.

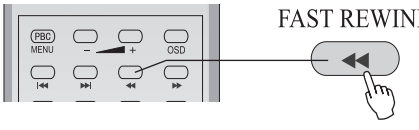






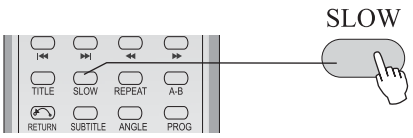
FAST REWIND:

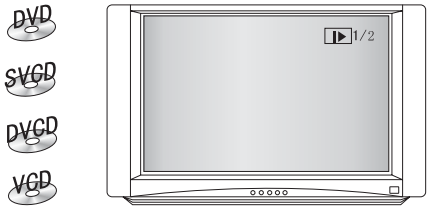
In play mode, press the "FR" button on the remote control to fast rewind at X2 speed, again to get X4 speed, a third time to get X8 speed, a fourth time to get X16 speed and a fifth time to get X32 speed. Press "FR" button for the sixth time, the player return to the normal play state, or press "PLAY" to return to normal play mode directly.



6.4 SLOW MOTION

In the play state, continuously press the "SLOW " button and you will get the following state and information on the screen : slow forward 1/2, 1/4, 1/8, 1/16.



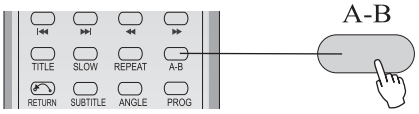


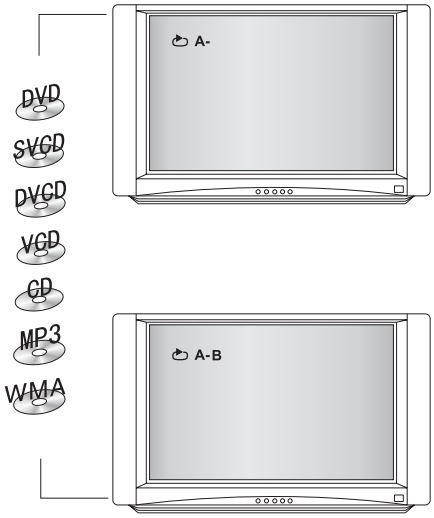
Notes:

1) This function doesn't work with CD, MP3,WMA, Picture CD discs.
2) DVD disc is compatible with the function of slow motion.

6.5 A-B REPEAT

Press the "A-B" button one time during playing at the point where repeat play is to commence (marked A), then press "A-B" button at the point where repeat play is to be concluded (marked B). Then the player can automatically repeat the segment from A to B. Press "A-B" again, this will cancel the "A-B "operation.

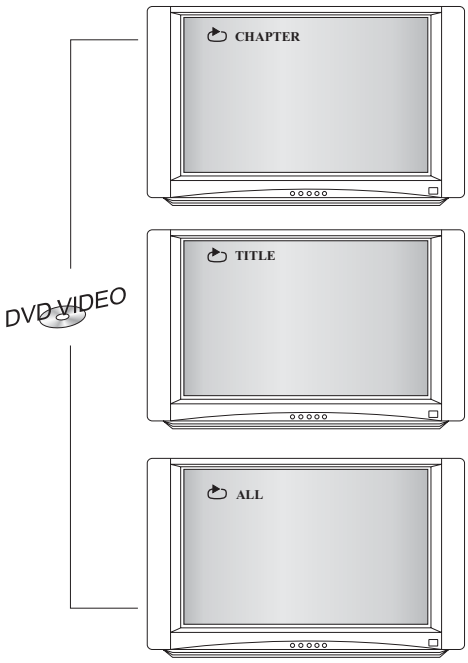




6.6 REPEAT

IN DVD VIDEO PLAYING MODE

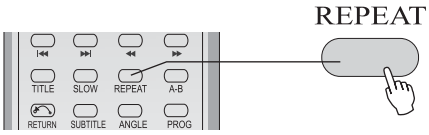
Press REPEAT once to repeat the current chapter.
When finished playing, it will be repeated automatically.
Press the button twice to repeat the current title.
When finished playing, it will be repeated automatically.
Press the button three times to repeat the whole disc.
When the disc playing is finished, the player will automatically repeat playing the disc.

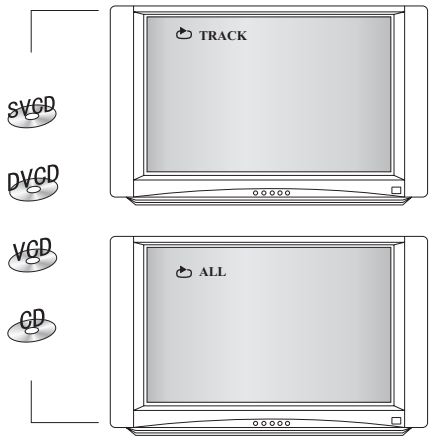


IN SVCD, VCD &CD DISCS PLAYING MODE:

Press "REPEAT" once to repeat one track. When the track is over, the player will repeat it automatically. Press "REPEAT" twice to repeat the entire disc. When the whole disc is over, the player will repeat it automatically.

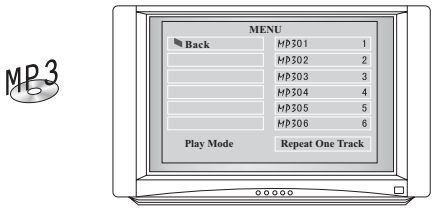
Note: For SVCD, DVCD and VCD discs, the repeat function must be used under the PBC off state.





IN WMA & MP3 DISCS PLAYING MODE:

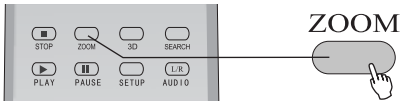
Press "REPEAT" once during play to repeat one track. When the track is over, the player will repeat it automatically. Press "REPEAT" twice to repeat the current directory. When the directory is over, the player will repeat it automatically.



6.7 ZOOM

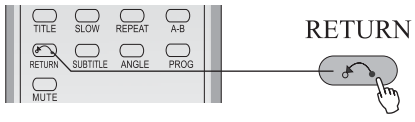
Successively press ZOOM to get different zoomed pictures. In state of zoom play, pressing the Direction buttons " ◄ ► ▲ ▼ " can shift the pictures accordingly.

Note: There may be zoom level differences among different types of discs.



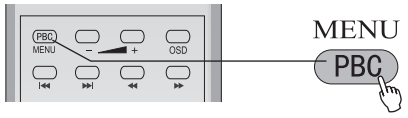
6.8 RETURN

When playing a DVD disc, press RETURN to return to the main menu.
When playing VCD, SVCD, pressing the RETURN button in PBC On state can return to the menu.



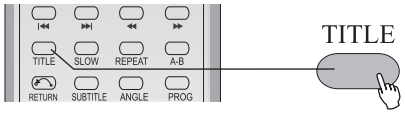
6.9 MENU

For DVD disc, press MENU to play the desired tracks (depending on the discs being played). For SVCD and VCD 2.0 discs, press this button and the player will switch between the two play modes of PBC ON and PBC OFF.
* This function doesn't work with VCD1.1 and CD discs.



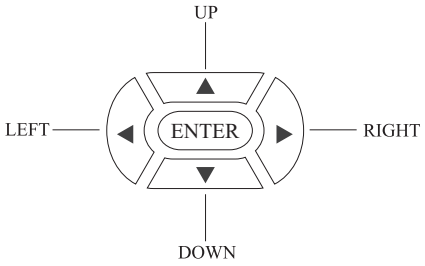
6.10 TITLE (applicable only to DVD)

Press TITLE to play the desired title.
(Only applicable to the discs with this function)



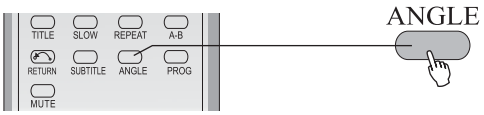
6.11 DIRECTION & ENTER

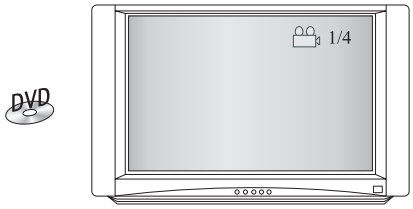
These buttons are used to move the highlighted bar or cursor to desired items. Press "ENTER" to confirm.



6.12 ANGLE

Press ANGLE to watch the same scene from different angles when enjoying sports, musical or drama programs.

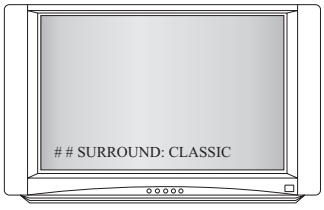


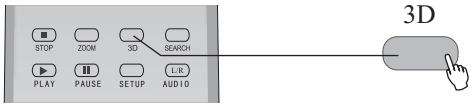


Note: Only applicable to discs with this function.

6.13 3D SURROUND SOUND EFFECT

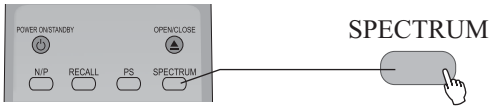
Press the 3D button to activate the 3D surround sound function. Output sound will have 3D stereo effect. Press the button again to stop the function.
If you successively press 3D button, there are 8 choices for your option: ROCK, POP, LIVE, DANCE, TECHNO, CLASSIC, SOFT, OFF.





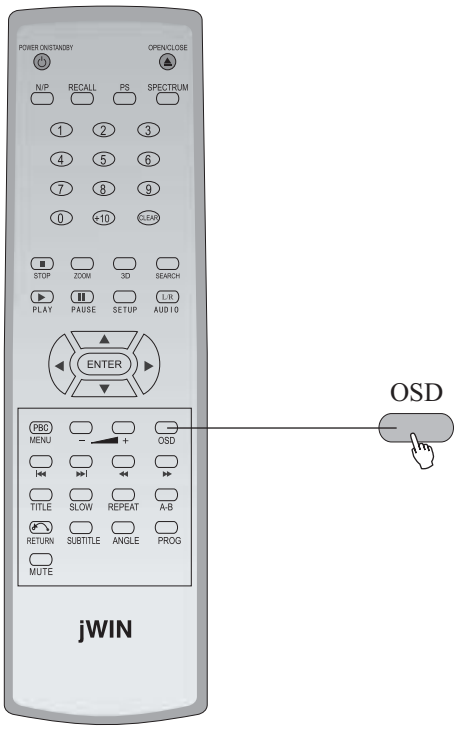
6.14 FREQUENCY SPECTRUM

Successively press the "SPEC" button to enter one of the three frequency spectrum states with two displaying two different frequency spectrum and one for frequency spectrum off.

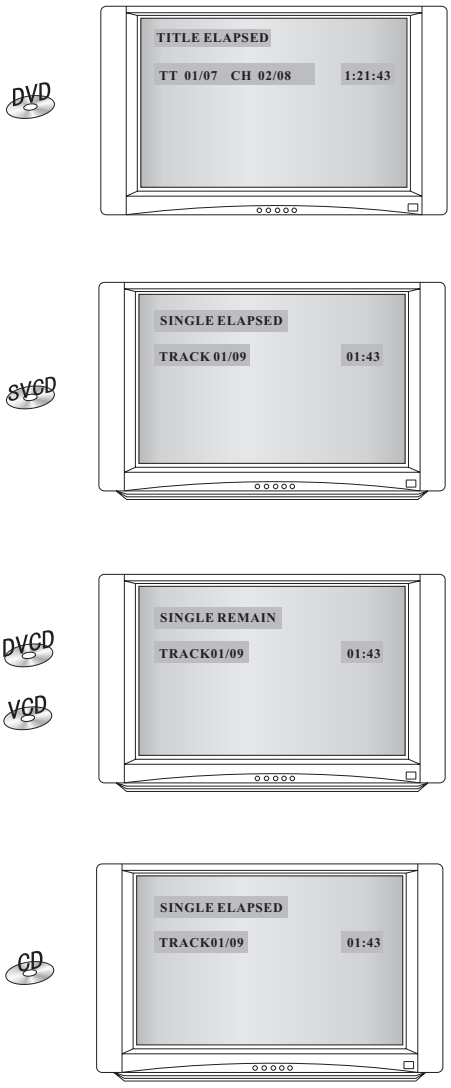


6.15 SCREEN DISPLAY

When DVD player is playing DVD disc, continuously press the "OSD" button, the screen display is as follows in turn: play time, remaining time of the title, chapter time, remaining time of the chapter, and display off. When SVCD, VCD, CD disc is being played, continuously press the "OSD" button, the screen display is as follows in turn: track time, remaining time of the track, time of the whole disc, remaining time of the whole disc, and display off.

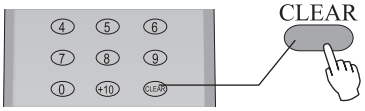


Screen display



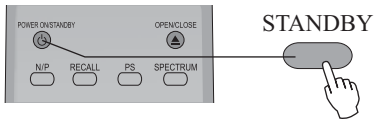
6.16 CLEAR

When you input the numbers, you can press the "CLEAR" button to cancel the numbers entered.



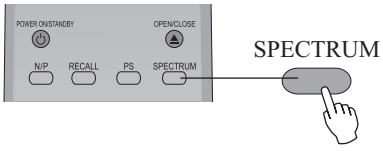
6.17 STANDBY

Press STANDBY, the unit will enter into status of standby. DVD display is not light, video has no output, power consumption of the unit is largely reduced; press it again to return to normal working state.



6.18 SPECTRUM (EQ)

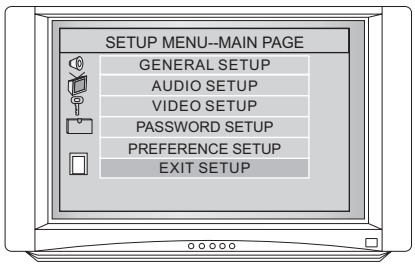
Press this button to show the graphic equalizer on TV screen, press it again for different kind display. Press it once more to clear the display.



7. HOW TO SETUP SYSTEM

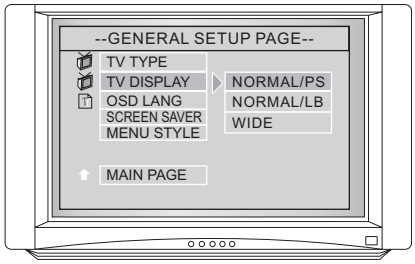
Basic Operation

* Press the "SETUP" button on the remote control to enter the main page of the SETUP menu. And the TV screen displays as shown in the picture on the right:
* Press the arrow keys " ▲ ", " ▼", " ◄ ", " ► " to select or adjust, and press "ENTER" to confirm.
* Select "EXIT THE SETUP MENU", or press the "SETUP" button again to exit from the setup interface.



7.1 GENERAL SETUP

Select GENERAL SETUP to enter the menu mode, and the TV screen displays as shown in the picture at right.



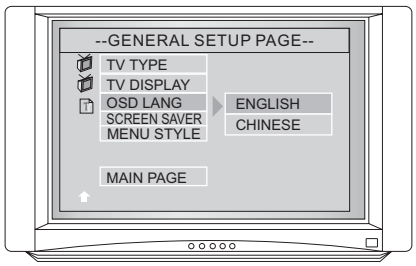
7.1.1 TV type

Select this item to select the output system of the player so that it can accord with the system of the TV set.

[PAL]
[MULTI]
[NTSC]

7.1.2 TV display

Through this item, users can conduct setups of "normal/ panoramic scene, normal/ letter box, wide screen" according to the screen of the disc and TV set so as to gain the best video effect.



7.1.3 OSD Lang

If English is selected, the words displayed on the TV menu screen will be English. If Chinese is selected, the words displayed on the TV menu screen will be Chinese.

7.1.4 Screensaver

Selecting "ON" can start up the screensaver function. Selecting "OFF" can turn off the screensaver function. For details, see "13. Intelligent screensaver and standby function".

7.1.5 Menu Type

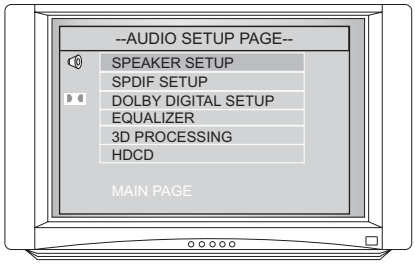
"Type 1" and "Type 2" are two different kinds of display menus, which can be set according to your preference.

7.1.6 Main Page

If this item is selected, the menu will return to the main page of the SETUP menu.

7.2 AUDIO SETUP

Use arrow keys to select the "AUDIO SETUP" item, and press "ENTER" to enter the menu. The TV screen will display as shown in Picture 1 on the right:



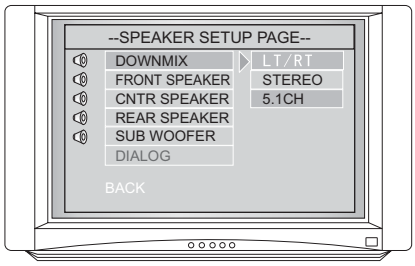
PICTURE 1

7.2.1 Speaker Setup

Select SPEAKER SETUP to enter the submenu, and the Tvscreen displays as shown in Picture 2 on the right:

7.2.1.1 Downmix Mode

Press arrow keys to enter this setup item. "LT/RT" means the audio signal output of left/right channel; "Stereo" means stereo audio signal output; "5.1 CH" means audio output of 5.1 channel.



PICTURE 2

7.2.1.2 Front Speaker

If the connected speaker is of big model, it can be set as big; if the speaker is small, it can be set as small.

7.2.1.3 Central Speaker

The setting of big and small is the same as front speaker. If it is set to OFF, the speaker has no signal output.

7.2.1.4 Rear Speaker

The setting is the same as front speaker.

7.2.1.5 Subwoofer

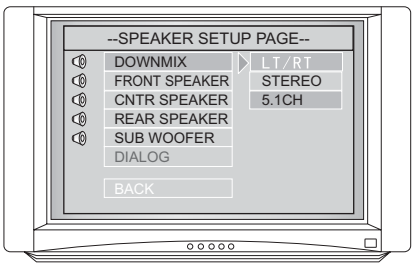
If set as ON, the subwoofer has signal output. If set as OFF, then the subwoofer has no signal output.

7.2.1.6 Dialogue

It is used for enhancing the definition of dialogue. When the audio channel mode is 5.1 CH, it doesn't have such a function.

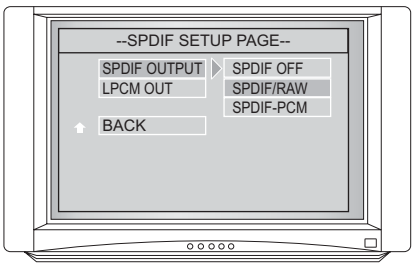
7.2.1.7 Back

Select this item to return to the higher menu.



7.2.2 SPDIF Setup

When this item is selected, the TV menu screen display is as shown in the picture at right:



7.2.2.1 SPDIF Output

If the connected power amplifier has the function of Dolby AC-3 decoding , it's best to select SPDIF RAW. If the power amplifier doesn't have the decoding function, but has coaxial or optical fiber input, it's best to select SPDIF-PCM.

7.2.2.2 LPCM Output

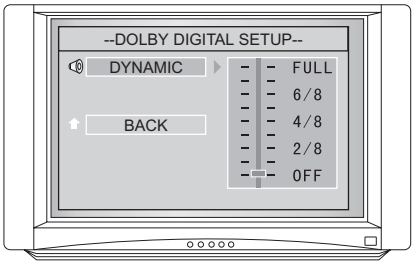
When SPDIF output is set as SPDIF-PCM, it is used for setting the sampling frequency of the output signal of the optical fiber and coaxial terminal.

Note: This item shall be set cooperating with the disc and power amplifier, or there may be no sound output.

7.2.2.3 Back

Select this item to return to the higher menu.

7.2.3 Dolby Digital Setup



7.2.3.1 Dynamic Scope Compression

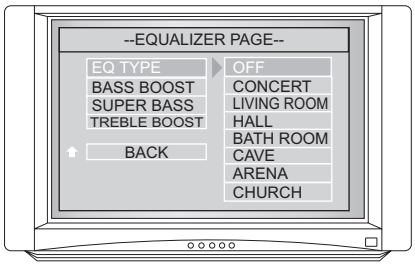
Adjusting this item can gain different signal compression effects. For example, you can adjust the linear compression ratio higher when playing a disc in the day so as to get a better acoustical effect; while at night, you can adjust the ratio lower.

7.2.3.2 Back

Selecting this item to return to the higher menu.

7.2.4 Equalizer Setup

Selecting this item, the TV screen display is as shown in the picture at right:



7.2.4.1 EQ Type

Press arrow keys to select the sound field effect from the 8 main kinds, i.e. Off, Concert, Living Room, Hall, Bathroom, Cave, Arena and Church. Press "ENTER" to confirm.

7.2.4.2 Bass Boost

Selecting "ON", the bass will be boosted. Selecting "OFF", the bass boost effect will be turned off.

7.2.4.3 Super Bass

Selecting "ON", the super bass will be turned on. Selecting "OFF", the super bass will be turned off.

7.2.4.4 Treble Boost

Selecting "ON", the treble will be boosted. Selecting "OFF", the treble boost effect will be turned off.

7.2.4.5 Back

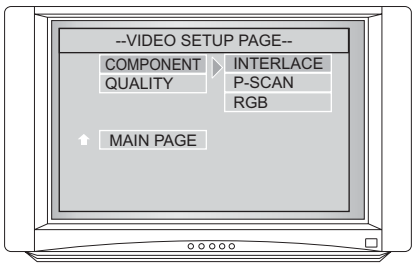
Select "Back" to return to the AUDIO SETUP page.

7.2.5 3D Processing

Select this item, there will be 8 choices for sound output: OFF, ROCK, POP, LIVE, DANCE, TECHNO, CLASSIC, SOFT.

7.3 VIDEO SETUP

After entering Video Setup mode, the TV screen display is:

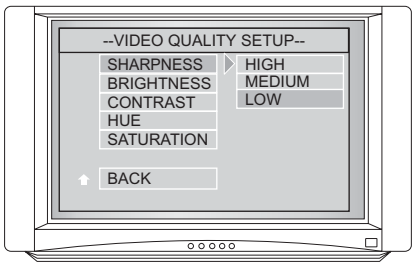


7.3.1 Component Video

When the player is connected with a TV set with terminal or computer display, RGB shall be selected. When the player is connected with a progressive TV set, P-SCAN mode shall be selected. If the TV set is a common one, INTERLACE mode shall be selected.

7.3.2Video Quality Setup

After entering VIDEO QUALITY SETUP mode, the TV screen display is as shown in the picture at right.



7.3.2.1 Sharpness

High, Medium, Low are three kinds of video images of different definition, which can be set according to users' preference.

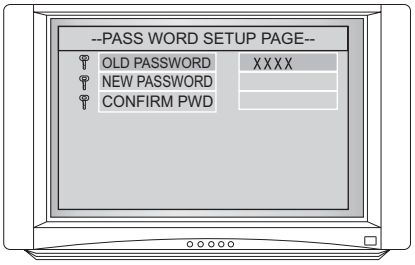
7.3.2.2 Setup of Brightness, Contrast, Chroma, and Saturation

Press arrow keys to select the desired setup item, then press the arrow key " ▶ " to enter the adjusting interface, and press " ▲ " or " ▼ " to adjust till you get the satisfactory video effect. After the adjustment is completed, press the " ◀ "arrow key to return to the picture quality setup page.

7.3.2.3 Back

Select "Back" to return to the VIDEO SETUP page.

7.4 PASSWORD SETUP PAGE



7.4.1 Password

Select "CHANGE", to view the menu on the right, and users can change the password according to need.

7.4.2 Age Control

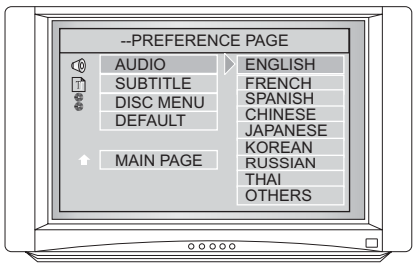
If you set password in 7.4.1, you will input the password when confirming the age control option.

7.4.3 Main page

Select Main page to return to the main page.

7.5 PREFERENCE SETUP PAGE

After the appliance is turned on, press the "OPEN/ CLOSE" button to open the disc tray, or press "STOP" button twice, and press the "SETUP" button again to enter the homepage of setup menu. Then use arrow keys to select PREFERENCE SETUP PAGE, and press "ENTER" button to enter the PREFERENCE SETUP PAGE, the TV screen display is as shown in the picture at right.



7.5.1 Audio Language (Disc support is required.)

7.5.2 Subtitle (Disc support is required.)

7.5.3 Disc Language (Disc support is required.)

According to the disc, you may choose different language referring to AUDIO, SUBTITLE and DISC MENU setting.

7.5.4 Default

If selecting "RECALL" in this setup, each set function item will be reverted to the initial state when the player was delivered from the factory.

7.5.5 Main page

Selecting this item to return to the main page.

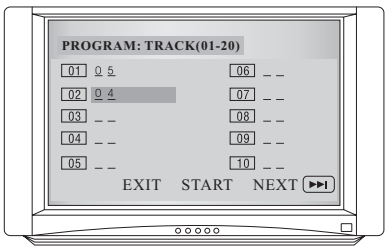
8. HOW TO USE PROGRAMMING FUNCTION

8.1 PROGRAMMED PLAY FOR SVCD, VCD AND CD DISCS

Press "PROG" to enter the interface as shown in picture at right, then press number keys to input track number. For example, if you want to play track 2, 6, 22, you can input as follows:

1 [02] ---------- input 2
2 [06] ---------- input 6
3 [22] ----------press "+10" button twice, and press "2" button once

SVCD
DVCD
VCD
CD



Move the highlighted bar to the START column, press PLAY or ENTER to start a programmed play. If you don't want a programmed play, you can enter the programming menu, move the highlighted bar to the STOP column, confirm and select "EXIT", thus programmed play can be erased.

Notes:

1. If the number of inputted track is more than that of the total tracks on the disc, the player will automatically clear the inputted track number.
2. For DVD disc with only one title, the programming method is the same as that of SVCD and VCD disc.

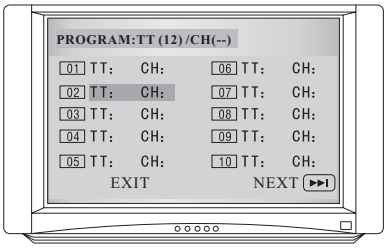
8.2 PROGRAMMED PLAY FOR DVD DISC

Press the PROG button on the remote control and the picture on the right will appear on the screen. The first two digits are for title and the last two digits are for chapter.

Users can input numbers according to the order of Title-Chapter-Title-Chapter , other operations are the same as 8.1.

Note: The inputted title number can't be more than that of the total titles and the inputted chapter number can't be more than that of the total chapters of the selected title, otherwise the player will automatically clear the inputted number.

DVD



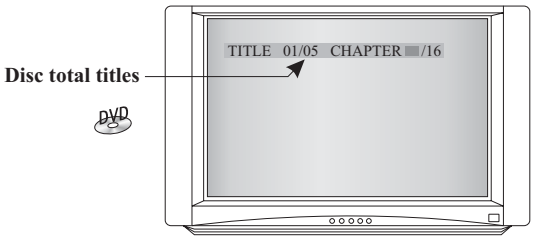
9. HOW TO USE SEARCH FUNCTION

Press this button to enter the search state.

9.1 FOR DVD DISC

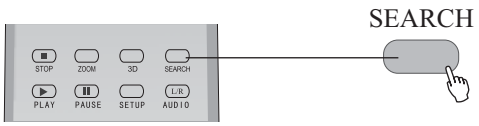
1) Search of title/chapter

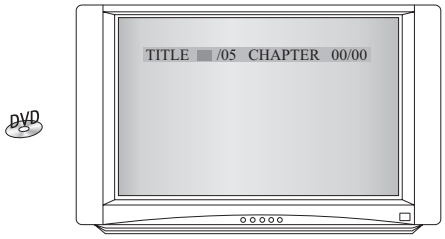
Press SEARCH and the picture as shown in Picture 1 (on the right) appears on the screen. Use arrow key " ◀ " to select Title (as shown in Picture 2). Press number keys to specify the desired title. Then input the desired chapter, press "ENTER" button to play it.



PICTURE 1

Note: The inputted title number can't be more than that of the total titles on the disc, and the inputted chapter number can't be more than that of the total chapters of the current title, or the operation will be invalid.

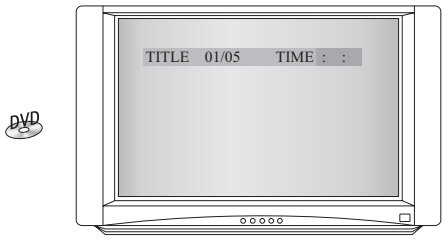




PICTURE 2

2) Time search within a title

Press "SEARCH" twice, screen display is as shown in Picture 3, then press " ◀ " button to select "Title Search" column, and directly press number keys to specify the title, then input the time. For example, input number 1, 0, 6, 0, 8 and "1：06：08" (hour, minute, second) will appear on the screen. Press ENTER to start play from the specified time.



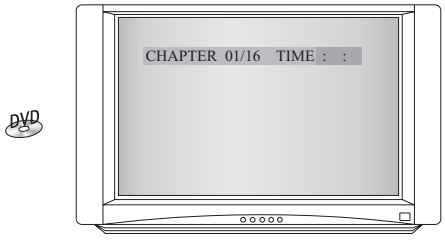
PICTURE 3

Note: The inputted time can't be more than of the total time of the current chapter, or the operation will be invalid.

Note: The inputted time can't be more than the total time of the current title, or the operation will be invalid.

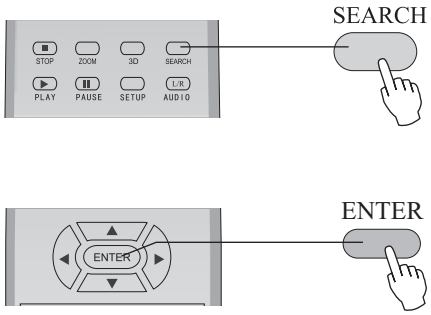
3) Time search within a chapter

Press SEARCH three times, screen display is as shown in Picture 4, then press " ◀ " button to select Chapter Search column, and directly press number keys to specify the chapter, then input the time. For example, input number 1, 0, 6, 0, 8 and "1：06：08" (hour, minute, second) will appear on the screen. Press ENTER to start playing from the specified time.



PICTURE 4

9.2 FOR SVCD/VCD/CD DISCS



Continuously press the SEARCH button and you can conduct disc time search , track time search and track search throughout the entire disc.

1) Whole disc time searching (search the whole disc)

Press SEARCH to enter the interface as shown on the right (Picture 1). Directly input numbers, for example, input number 2, 2, 1, 8, and press ENTER to play from the specified time, i.e. 22:18 (minute, second).

PICTURE 1

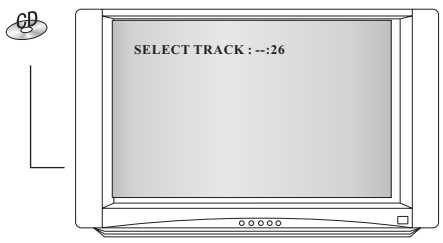
2) Track time searching (search in current track)

Press SEARCH twice to enter the interface as shown on the right (picture 2). Input the time by pressing numerical keys. For example, input number 0 1, 0, 8, and press ENTER, then you can start play from the specified time, i.e. 01:08 (minute, second).

PICTURE 2

3) Search track (search the whole disc)

3.1 Press "SEARCH" three times, screen display is as shown in Picture 3. Press number keys to specify the track. For example, if you want to select track 22, directly press "+10" button twice, then press "2", and press "ENTER" for confirmation. The player will play track 22.



PICTURE 3

3.2 In state of PBC off, directly press number keys to input the specified track. For example, if you want to select track 22, press "+10" button twice, then press "2", and press "ENTER" for confirmation. The player will play track 22.

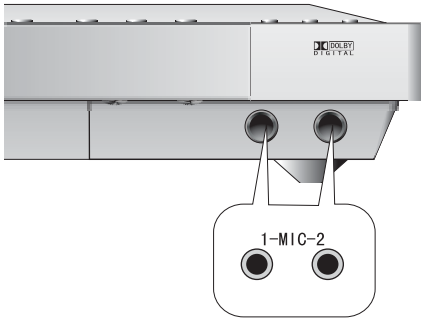
Note:

1. In Stop mode, you can only get whole disc time search and track search functions by pressing the SEARCH button.
2. In state of PBC ON, you can't select tracks directly by pressing number keys, but return to the menu, then you can input numbers to select tracks directly.

10. HOW TO USE KARAOKE FUNCTION

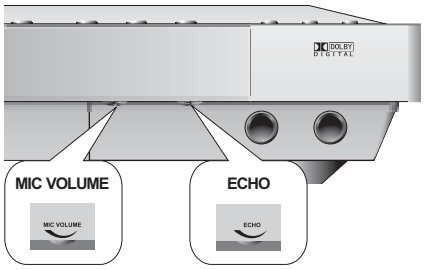
10.1 To Connect The Microphone

Turn the MIC VOL and ECHO knob on the front panel to the minimum and then connect microphones to MIC jacks. You may connect two microphones to enjoy duet singing.



10.2 Start KARAOKE

1. Turn MIC VOL knob to adjust the volume of microphone.
2. Turn ECHO knob to adjust the volume of echo.
3. You may press number keys on the remote control to select the track you want when it is playing a KARAOKE disc.



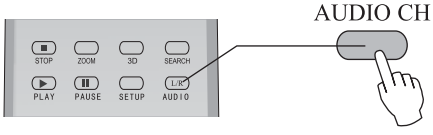
10.3 To Employ The Special Functions Of KARAOKE

Press AUDIO CH on the remote control and choose from the following:

[STEREO]
[MONO LEFT]
[MONO RIGHT]
[mix-MONO]
[PARTNER LEFT]
[PARTNER RIGHT]

Cancel Original Sound

You may press the AUDIO CH button and choose [LEFT] or [RIGHT] to cancel original sound when you are enjoying KARAOKE. You can also cancel original sound by choosing a different audio output state.



The Operation Of Auto Replace KARAOKE And Auto Follow KARAOKE

Choose [PARTNER LEFT] or [PARTNER RIGHT] to gain auto replace KARAOKE (When person is singing, the player doesn't sing; when person isn't singing, the player sings) or auto follow KARAOKE (when person is singing, the player is singing; when person stops singing, the player stops too)

Note: This function only applies to VCD and DVCD discs.

Noise handling:
1. Take the microphone far away from the TV set or SPEAKER.
2. Turn down the volume of TV set or SPEAKER.
3. Turn down the volume or echo of microphone.

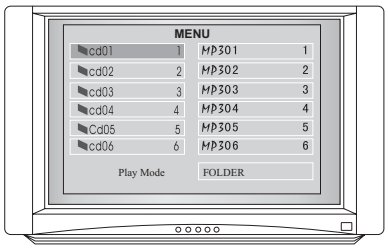
11.HOW TO PLAY MP3/WMA DISCS

11.1 THE STRUCTURE OF MP3/WMA DISCS

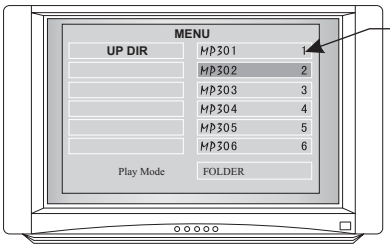
An MP3/WMA disc has directories and a directory has tracks.

11.2 DIRECTORY STRUCTURE OF MP3/WMA DISC DISPLAYED IN THE PLAYER

For MP3/WMA discs, the player will display the total directories after reading the disc (as shown in Picture 1). Press the arrow key to select a directory, press "ENTER" to enter the submenu (as shown in Picture 2), press " ▶ "to move the cursor to the right part of the menu, then press " ▲ " or " ▼ "to select tracks, and press "PLAY" to start play.



PICTURE 1

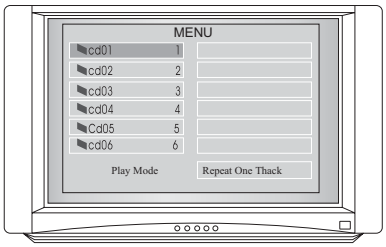


PICTURE 2

Note :
1. The player does not support display of track and directory in Chinese. If the track or directory is in Chinese, the player will display it with "-".
2. Track No. means the track No. of current directory.

11.3 HOW TO SWITCH THE DIRECTORY OF MP3/WMA

Press arrow key " ◀ " to move the cursor to "PREV DIR " on the left of the screen, press "ENTER" on the remote control to return to the total directory. Press the arrow keys to move the cursor to select a different directory. Repeat the above operation to browse all the directories of the whole MP3/WMA disc.



PICTURE 3

11.4 HOW TO SELECT TRACKS FOR PLAY:

There are two methods for choosing tracks.

11.4.1 To choose the track serial number of the whole disc:

With the number keys from 1 to 9 on the remote control, you can directly choose corresponding tracks to play. For example, you can press 1, 2, 2 directly to play 122nd track.

Notes: First, enter Stop state, press "PROG" button to switch to the play state of "Document Mode", and then the above mentioned function of selecting track from the entire disc for play can be realized. In the Play state of "Normal Mode", tracks can be selected only from the current directory.

11.4.2 How to select tracks for play in normal mode (directory structure) and document mode of MP3/WMA.

1.In normal mode, pressing " ⏭ ", " ⏮ " can directly select tracks in the directory. In document mode, tracks can be selected from the entire disc.
2. Press the direction keys " ▲", " ▼", " ◀ ", " ▶" to move the cursor among the tracks on the page, press ENTER button to play the specified track.
3. In state of normal mode, pressing numeric keys can directly select track in the directory. In state of document mode, pressing numeric keys can directly select track in the entire disc.

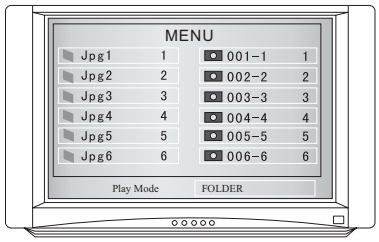
Notes:
1) The player has two kinds of play methods: normal mode and document mode. In stop state, pressing the PROG button can switch the play methods between normal mode and document mode.
Document mode: All the documents in the disc will be displayed for your selection.
Normal mode: The documents in the disc will be displayed via directory structure.

2) If you want to play a MP3/WMA disc in sequence, you can set the play state of the player as Document Mode .

12. HOW TO ENJOY THE DIGITAL ALBUM OF PICTURE CD

12.1 PLAY MODE

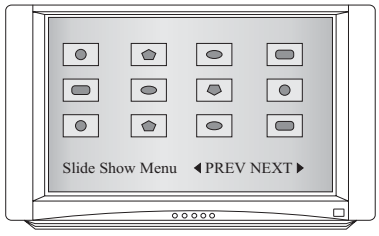
The player will display the total directories of the disc after recognizing the format of Picture CD, then press "PROG" button to select "Document Mode" or "Normal Mode" to play the disc. As show in picture 1 on the right:



PICTURE 1

12.1.1 Digital Direct Play

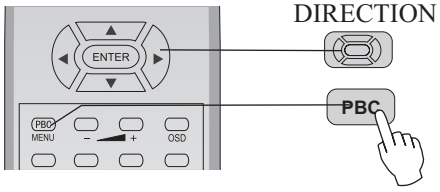
Press digital buttons "0-9" and "+10" on the remote control to select and play. Press digital buttons 6, 8 if you want to select the 68th picture, and press ENTER to confirm. If play state is in Normal Mode , it is invalid when the inputted number is greater than the number of the total files of the directory. If play state is in Document Mode , it is invalid when the inputted number is greater than the number of the total files of the disc.



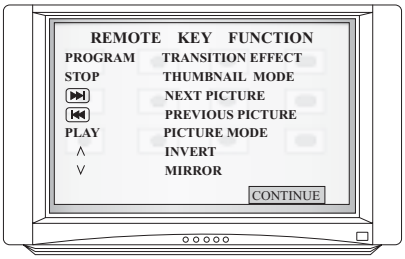
PICTURE 2

12.1.2 Multi picture browse & play

In Play mode, press STOP to enter into twelve picture browse, as shown on the right (PICTURE 2). Press arrow keys " ▶ ", " ◀ ", " ▲ " or " ▼ " to move the cursor to "PREV" or "NEXT" then press "ENTER"to browse, or directly press "PREV" or "NEXT" to browse. If you want to play one certain picture, you can directly press the number button to play or arrow keys to move the cursor to this picture and press "ENTER". You can also directly select "Slide Show " when browsing, and it



will play the pictures randomly. To get key explanation, press arrow keys to move cursor to "MENU" button, then press "ENTER" to display "Function Button Explanation" page, as shown in picture 3 on the right. Press "ENTER" to continue, and press it again to leave "Function Button Explanation" page.



PICTURE 3

12.1.3 Directory browse & play

Press "MENU" to enter the disc menu. In "Document Mode", press "PROG" to switch to "Normal Mode".

12.1.3.1 Structure of Picture CD Disc

One Picture CD disc consists of a number of directories, and each directory has CD pictures.

12.1.3.2 Display of the directory structure of Picture CD disc on the player

Directory structure is shown in picture 1 on the previous page.

Note 1: This player will not support the display of Pictures and directory names in Chinese. If picture or directory's name is in Chinese, "-" will appear.

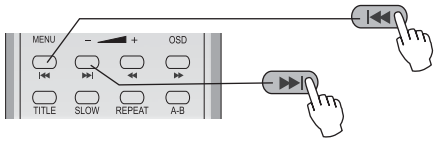
Note 2: Picture number is the serial number of picture in the current directory.

12.1.3.3 How to change Picture CD Directory

1. In the directory state, press " ◀ " to move the cursor to the left part, and then press " ▲ "or " ▼ " to move the cursor. Press "ENTER" to enter the submenu. Press " ▶ "to move the cursor to the right part, and then press " ▲ ", " ▼ ", or "ENTER" to display the picture 2. In Play state, Press to go "PBC" to enter the submenu, press " ◀ " to go to the previous menu, and press "ENTER" to the root directory. Operation is the same as 1.

12.2 PREVIOUS PAGE/NEXT PAGE

Press " ⏮ " button to shift to the previous picture, and press " ⏭ " button for the next picture.



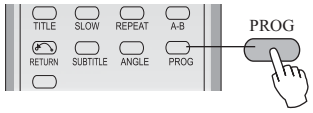
12.3 PAUSE

Press "PAUSE" to stop in the current picture.
Press "PLAY" to resume play.

12.4 SCAN MODE SWITCH

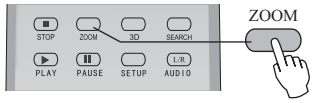
In the sequential play, Press "PROG" to switch the display mode of pictures. For example, picture is displayed from up to down in mode 1 , but from down to up in mode 2 .

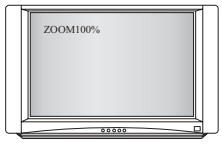
Note: This player provides 15 kinds of display modes.

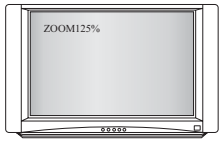


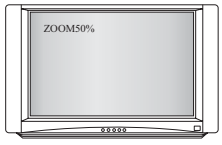
12.5 ZOOM

Press "ZOOM", the screen will enlarge by 100%, then press "FAST FORWARD" and "FAST REWIND" keys to enlarge or reduce the picture by different times.



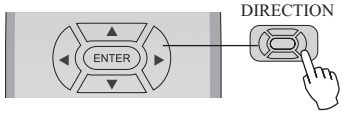






12.6 ROTATION FUNCTION

Continuously press arrow keys, the picture will rotate 90° clockwise or counterclockwise.



12.7 Press arrow keys " ▲ " and " ▼ ", the picture display is up-down mirror image and left-right mirror image respectively.

Note: Using Rotation Function and Zoom function will cancel the sequential play. Please press " PLAY" to play forward automatically.

13. INTELLIGENT SCREENSAVER AND STAND-BY FUNCTION

With the same function of screensaver and stand-by function as computer, it will automatically enter into screensaver after three minutes under stop or no disc state, so as to protect your TV screen. It will automatically enter into stand-by state after twenty minutes of screensaver, then DVD display is not light, video has no output, power consumption of the appliance is largely reduced, so as to enhance the safety and prolong lifespan. In stand-by state, press "PLAY" or "OPEN/CLOSE" on the front panel of DVD to go normal working states.

14. MALFUNCTION & TROUBLESHOOTING

Before requesting after-sale warranty service, try the following troubleshooting suggestions..

No sound:

* Ensure that the player is properly connected with other systems, such as power amplifier or TV set.
* Ensure that TV set or power amplifier is working properly.
* Check if MUTE button of the appliance or TV set is pressed.
* Check whether volume of the TV set or player is adjusted to minimum.

No picture:

* Ensure that the player is connected firmly with the other system, such as TV set.
* Ensure that the TV set is working properly.
* Ensure that the video output mode is set properly (Refer to 4.3).

Disc not playing

* Ensure that the disc is placed correctly. (The label side is facing up.)
* Ensure that the disc is clean.

Microphone has no sound:

* Adjust the volume of the microphone to proper level.

Remote control does not work:

* Remove the obstacles between the player and the remote control.
* Point the remote control at the sensor on the front panel of the player.
* Check whether the energy of the battery is adequate.

No display or partial display:

* Check whether the disc is scratched and ensure that the disc is clean.
* When there is trouble, please turn off the power because the appliance is controlled by microcomputer, and turn on the player again after several seconds. If the trouble is resolved, the player may work properly again.

No output after turning on the player:

* Ensure that the time interval between turning off and turning-on is not too short.
* Turn off the disc player, and turn on again after 10 seconds.
* Ensure that the video output mode is properly set. (Refer to 4.3 for details)

Screen is not light and no output

* The appliance may enter the stand-by state. Press the "PLAY" or "OPEN/CLOSE" button on the panel to activate it.
* Switch off the power supply of the appliance, and turn it on after 10 seconds.

15. DVD INTRODUCTION AND FEATURES

DVD player is the ticket of your home theatre. Every technical index of this appliance is far superior to any previous video player. This completely new digital technology has compressed the audio - visual effect of cinema into a 12cm-diameter disc which is the same in dimension as the CD disc. It is also compatible with the existing SVCD, VCD and CD.

COMPARE DVD DISC WITH OTHER DISCS:

	DVD				LD	SVCD	VCD	CD
Recording method	Digital/MPEG II				Analog	Digital	Digital/ MPEGI	Digital
Capability	Single--side single--layer 4.7G	Single-side double-layer 8.5G	Double --side single --layer 9.4G	Double-side double-layer 17G		650MB	650MB	650MB
Playing time	133 minutes	242 minutes	266 minutes	484 minutes	Single-side 60minutes double-side 120minutes	45minutes	74minutes	74minutes
Disc diameter	12cm/8cm				30cm/20cm	12cm	12cm	12cm/8cm
Horizontal resolution	500 lines or more				No more than 430 line	no more than 350 line	no more than 250 line	
Picture proportion	Multiple kinds				one kind	one kind	one kind	
Subtitle	32 kinds				16 kinds at most	4 kinds		
Language	8 kinds				4 kinds at most	4 kinds at most	2 kinds	2 kinds
Sound quality	48kHz,96kHz/192kHz 16, 20, 24bit				44.1kHz/ 16bit	44.1kHz/ 16bit	44.1kHz/ 16bit	44.1kHz/ 16bit

SPECIAL FUNCTIONS OF DVD

PARENTAL LOCK

Some DVD discs may be harmful to children because of their content, so different restriction levels (G, PG, PG-13 or NC-17) are available to meet the users' requirements. The appliance can also restrict the playing of some discs according to your requirement so as to prevent children from watching some discs inappropriate to their age group.

MULTIPLE LANGUAGES

DVD discs can support 8 kinds of language sounds and 32 kinds of language subtitles.

MULTIPLE SECTION FUNCTION

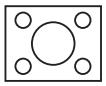
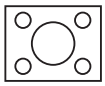
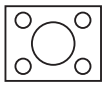
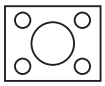
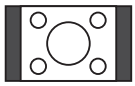
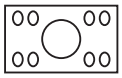
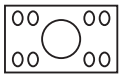
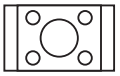
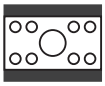
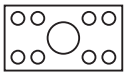
Users can select any part of the story (beginning, development, climax, or drop scene) to play.

MULTIPLE ANGLES FOR VIEWING

Users can view the scene from different angles, such as near view, side view, and panorama.

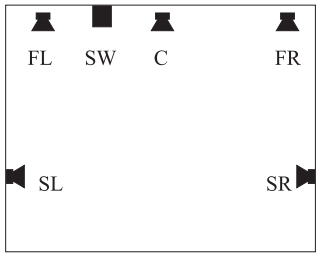
MULTIPLE PICTURE PROPORTION MODES

Multiple picture proportions can be suitable for different types of TV screen.

Discs image	TV SCREEN			
	4:3			16:9
	Normal	Panoramic scene	Letter box	Wide screen
4:3					
16:9					

DOLBY DIGITAL SURROUND (AC-3) SOUND 5.1 CHANNEL

The customer can enjoy 3-D space sound of Dolby digital surround sound (AC-3) 5.1 (contain 6 sorts of independent sound channel), SUBWOOFER channel increases the effect of bass. (You can place the subwoofer randomly.)



Notice: The above function needs disc support.

FUNCTION SUPPORTED BY DVD DISCS

DVD discs support diverse functions. The discs produced by different manufacturers may support different functions.

Dolby digital (AC-3) ---------- DOLBY DIGITAL

Sort of language ---------- 8

Subtitle languages ---------- 32

Picture proportion ---------- 16:9 LB

Parental lock ---------- R RESTRICTED

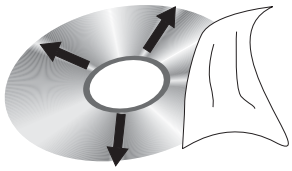
Angles for viewing ---------- 4

CLOSE CAPTION subtitle ---------- C C

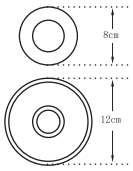
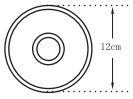
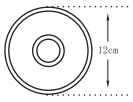
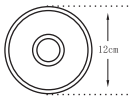
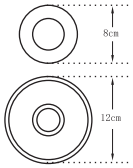
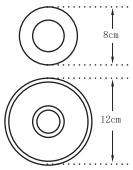
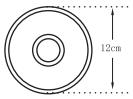
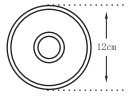
16. DISC REFERENCE

DISC PROTECTION :

* Try not to scratch the disc. It shall be kept in the box after using.
* Wipe the disc with a dry soft cloth from the center hole toward the outer edge.
* Do not use chemical materials such as alcohol and cleaner to clean the disc.
* Discs can't be heated, or they may deform.
* Do not stick anything or write on the disc.



THIS APPLIANCE CAN PLAY THE FOLLOWING DISCS:

DISCS	DIMENSION	LABEL
DVD		DVD VIDEO
SVCD		SVCD
DVCD		COMPACT disc DIGITAL VIDEO DVCD
MP3		MP3
Video-CD (VCD)		COMPACT disc DIGITAL VIDEO VIDEO CD
CD-DA		COMPACT disc DIGITAL AUDIO
WMA		Designed for WMA
Picture CD		Kodak Picture CD COMPATIBLE

17. TECHNICAL SPECIFICATION

VF Signal system		MULTI/NTSC/PAL
Audio response		20Hz-20kHz±1dB
Audio s/n ratio		≥90 dB
Output	Audio output (analog audio)	Electric level output : 1～2V
	Audio output (digital audio)	Electric level output : 0.5Vp--p
	Video output	Electric level output :1Vp--p resistance : 75Ω Unbalanced negative
	S-Video output	Electric level output : brightness(Y)0.7Vp--p,chrominance(C):0.88Vp--p, resistance :75Ω
	YUV(Y, Cb, Cr) output	Electric level output : Y/Cb/Cr 700±140mVp--p
Input		Microphone X 2
Power		AC 120V/60Hz
Power consumption		<20W
Dimensions		430 (L) X 290 (W)X 50(H) mm
Weight		3.4 Kg

Dolby:

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